

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-079695

(43)Date of publication of application : 28.03.1997

(51)Int.Cl.

F25B 39/00

F25B 1/00

F25B 13/00

F28F 1/32

(21)Application number : 07-262534

(71)Applicant : SANYO ELECTRIC CO LTD

(22)Date of filing : 14.09.1995

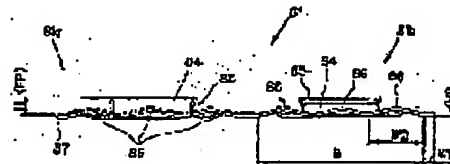
(72)Inventor : KAWANABE TAKASHI  
MUKODA HIDEAKI  
GOTO TAKEO  
ENYA YOSHINORI  
KOBAYASHI MASAHIRO  
ISHIKAWA ATSUYUMI  
HARA YOSHITAKA

### (54) HEAT EXCHANGER AND AIR CONDITIONER HAVING HEAT EXCHANGER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a heat exchanger capable of improving a heat exchanging efficiency and an air conditioner having the heat exchanger.

SOLUTION: A fin 81 of a heat exchanger is formed with three mountain-shaped segments 86 projected along an air blowing direction, so that it is possible to form a sufficient turbulence flow to break an air temperature interface layer against air flowing at three mountain-shaped segments 86 at the fin surface, improve a heat exchanging efficiency, prevent an air blowing resistance from becoming an excessive state and then improve a heat exchanging efficiency of an entire heat exchanger.



### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

Searching PAJ

[Date of registration]

[Number of appeal against examiner's decision  
of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office